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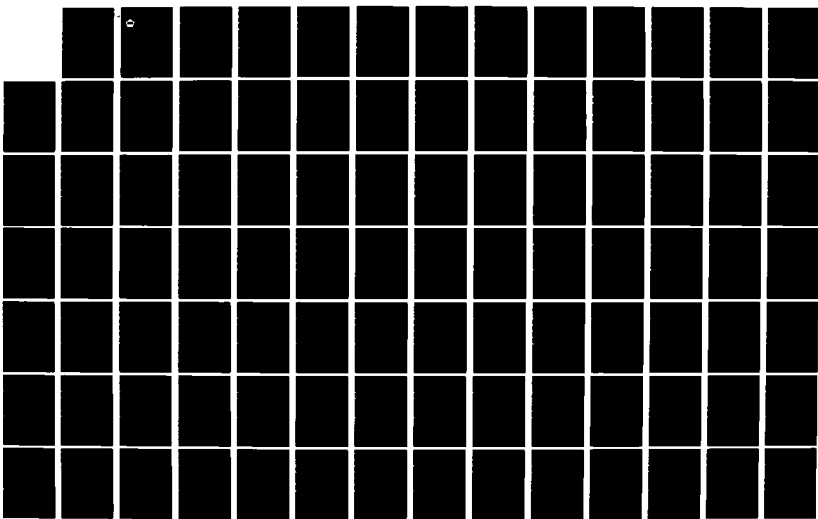
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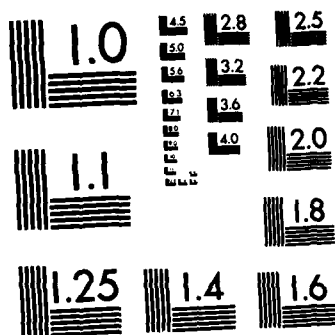
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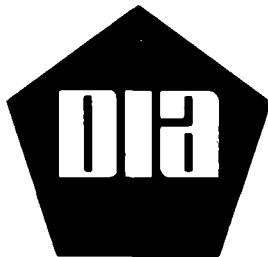
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BIBLIOGRAPHY OF SOVIET LASER DEVELOPMENTS

No. 55

SEPTEMBER - OCTOBER 1981

Date of Report

November 30, 1982

Vice Director for Foreign Intelligence
Defense Intelligence Agency

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20. ABSTRACT This is the Soviet Laser Bibliography for September-October 1981, and is No. 55 in a continuing series on Soviet laser developments. The coverage includes basic research on solid state, liquid, gas, and chemical lasers; components; nonlinear optics; spectroscopy of laser materials; crystal growing; theoretical aspects of advanced lasers; and general laser theory. Laser applications are listed under biological effects; communications; beam propagation; computer technology; holography; laser-induced chemical reactions; measurement of laser parameters; laser measurement applications; laser-excited optical effects; laser spectroscopy; beam-target interaction, and plasma generation and diagnostics.		

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Introduction

This bibliography has been compiled under an interagency agreement as a continuing effort to document current Soviet-bloc developments in the quantum electronics field. The period covered is September-October 1981, and includes all significant laser-related articles received by us in that interval. The bulk of the entries come from the approximately 30 periodicals which are known to publish the most significant findings in Soviet laser technology. Citations from the Russian Reference Journals are also included. Laser items from the popular or semipopular press are generally omitted.

For convenience we have abbreviated frequently cited source names; a source abbreviations list and an author index are included. All sources cited with no parenthetical notation are available at the Library of Congress. A parenthetical entry (RZh, KL) indicates the secondary source in which the citation was found as a bibliographic entry or abstract, but for which the original source is not currently available at the Library. The authors' affiliations are indicated by the numbers in parentheses following the authors' names in the text and are listed in the Author Affiliations List. New affiliations are assigned a new number and are added to a cumulative list which includes all affiliations from 1969 to the present. Only those affiliations which appear in this issue are listed in this issue's Author Affiliations List.



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I. BASIC RESEARCH

A. SOLID STATE LASERS

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J. BEAM-TARGET INTERACTION

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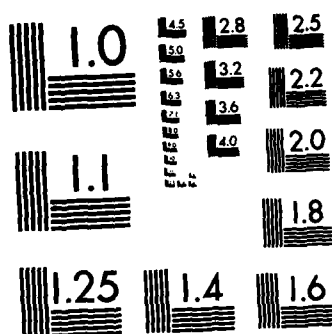
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IV. SOURCE ABBREVIATIONS

(CIRC Codens)

APC	(APYCA)	Acta physica et chemica. Szeged
APH	(APAHA)	Acta physica Academiae scientiarum hungaricae
APP	(APTLB)	Acta physica polonica
BAPS	(BAPTA)	Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Techniques
CCF	(CKCFA)	Ceskoslovensky casopis pro fyziku
DAN Az	(DAZRA)	Akademiya nauk Azerbaydzhanskoy SSR. Doklady
DAN B	(DBLRA)	Akademiya nauk Belorusskoy SSR. Doklady
DAN SSSR	(DANKA)	Akademiya nauk SSSR. Doklady
FAiO	(IFAOA)	Akademiya nauk SSSR. Izvestiya. Fizika atmosfery i okeana
FGiV	(FGVZA)	Fizika gorenija i vzryva
FiKhOM	(FKOMA)	Fizika i khimiya obrabotki materialov
FiKhS	(FKSTD)	Fizika i khimiya stekla
FTP	(FTPPA)	Fizika i tekhnika poluprovodnikov
FTT	(FTVTA)	Fizika tverdogo tela
IAN Arm	(IAAFA)	Akademiya nauk Armyanskoy SSR. Izvestiya. Fizika
IAN Fiz	(IANFA)	Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya
IAN Khim	(IASKA)	Akademiya nauk SSSR. Izvestiya. Seriya khimicheskaya
IAN Tadzh	(IATOA)	Akademiya nauk Tadzhikskoy SSR. Izvestiya. Otdeleniye fiziko-matematicheskikh i geologokhimicheskikh nauk
I-FZh	(INFZA)	Inzhenerno-fizicheskij zhurnal
IT	(IZTEA)	Izmeritel'naya tekhnika
IVUZ Fiz	(IVUFA)	Izvestiya vysshikh uchebnykh zavedeniy. Fizika
IVUZ Radioelektr (IVUZB)		Izvestiya vysshikh uchebnykh zavedeniy. Radioelektronika

IVUZ Radiofiz	(IVYRA)	Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika
JMO	(JMKOA)	Jemna mehanika a optika
KE	(KVEKA)	Kvantovaya elektronika
KhVE	(KHVKA)	Khimiya vysokikh energii
KL	(KNLTA)	Knizhnaya letopis'
KSpF	(KRSFA)	Kratkiye soobshcheniya po fizike
NM	(IVNMA)	Akademiya nauk SSSR. Izvestiya. Neorganicheskiye materialy
OiS	(OPSPA)	Optika i spektroskopiya
OMP	(OPMPA)	Optiko-mekhanicheskaya promyshlennost'
Opt app	(OPAPB)	Optica applicata [Poland]
Otkr izobr	(OIPOB)	Otkrytiya, izobreteniya, promyshlennyye obraztsy, tovarnyye znaki
PSS	(PSSAB) (PSSBB)	Physica Status Solidi (A). Applied Research (B). Basic Research
PTE	(PRTEA)	Pribory i tekhnika eksperimenta
RiE	(RAELA)	Radiotekhnika i elektronika
RRP	(RRPZA)	Revue roumaine de physique
RZhF	(RZFZA)	Referativnyy zhurnal. Fizika
RZhGeofiz	(RZGFA)	Referativnyy zhurnal. Geofizika
RZhMekh	(RZMKA)	Referativnyy zhurnal. Mekhanika
RZhRadiot	(RZRAB)	Referativnyy zhurnal. Radiotekhnika
Sb1	Sbornik	Fizicheskiye protsessy v priborakh elektronnoy tekhniki. Moskva, 1980.
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- Sb19 Issledovaniya fiziko-khimicheskikh svoystv tverdykh tel i gazoobraznykh sred. Frunze, 1980.
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- SCF (SCEFA) Studii si cercetari de fizica
- TiEKh (TEKHA) Teoreticheskaya i eksperimental'naya khimiya
- TiMF (TMFZA) Teoreticheskaya i matematicheskaya fizika
- Tr1 Trudy Leningradskiy politekhnicheskiy institut. Trudy, no. 371, 1980.
- TVT (TVYTA) Teplofizika vysokikh temperatur
- UFN (UFNAA) Uspekhi fizicheskikh nauk
- UFZh (UFIZA) Ukrainskiy fizicheskii zhurnal
- VBU (VBMFA) Belorusskiy universitet. Vestnik. Seriya 1. Matematika, fizika, mekhanika
- VMU (VMUFA) Moskovskiy universitet. Vestnik. Fizika, astronomiya
- ZhETF (ZETFA) Zhurnal eksperimental'noy i teoreticheskoy fiziki
- ZhETF P (ZFPPA) Pis'ma v Zhurnal eksperimental'noy i teoreticheskoy fiziki
- ZhFKh (ZFKHA) Zhurnal fizicheskoy khimii
- ZhNKh (ZNOKA) Zhurnal neorganicheskoy khimii
- ZhPMTF (ZPMFA) Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki

ZhPS	(ZPSBA)	Zhurnal prikladnoy spektroskopii
ZhTF	(ZTEFA)	Zhurnal tekhnicheskoy fiziki
ZhTF P	(PZTFD)	Pis'ma v Zhurnal tekhnicheskoy fiziki
ZL	(ZVDLA)	Zavodskaya laboratoriya

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29. Leningrad Polytechnic Institute (Leningradskiy politekhnicheskiy institut).
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53. Chernovtsy State University (Chernovitskiy GU).
59. Institute of Physics Research, AN ArmSSR (Institut fizicheskoy issledovaniy AN ArmSSR).
60. Institute of Physics, AN AzSSR (Institut fiziki AN AzSSR).
64. Institute of Atmospheric Physics, AN SSSR (Institut fiziki atmosfery AN SSSR).
66. Institute of Solid State Physics, AN SSSR (Institut fiziki tverdogo tela AN SSSR).
67. Institute of Physics of Chemistry, AN SSSR (Institut khimicheskoy fiziki AN SSSR).
71. Institute of Applied Mathematics, AN SSSR (Institut prikladnoy matematiki AN SSSR).
72. Institute of Spectroscopy, AN SSSR (Institut spektroskopii AN SSSR).
73. Institute of Theoretical Physics im Landau, AN SSSR (Institut teoreticheskoy fiziki im Landau AN SSSR).
74. Institute of High Temperatures, AN SSSR (Institut vysokikh temperatur AN SSSR).
75. Institute of Automation and Electronic Measurements, Siberian Branch, AN SSSR (Institut avtomatiki i elektrometrii SOAN).
78. Institute of Atmospheric Optics, Siberian Branch AN SSSR (Institut optiki atmosfery SOAN).
79. Institute of Nuclear Physics, Siberian Branch AN SSSR (Institut yadernoy fiziki SOAN).
81. Physicomechanical Institute, AN UkrSSR, Khar'kov (Fiziko-mekhanicheskiy institut AN UkrSSR).
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210. Institute of Physics, Siberian Branch, AN SSSR (Institut fiziki SOAN).
216. Kazan' Aviation Institute (Kazanskiy pedagogicheskiy institut).
220. Institute of Experimental Meteorology (Institut eksperimental'noy meteorologii).
283. Institute of Physics of Metals, AN UkrSSR, Kiev (Institut metallofiziki AN UkrSSR).
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311. All Union Scientific Research Institute of Mineral Resources, Moscow (VNII mineral'nogo syr'ya).
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337. Computer Center, AN SSSR (Vychislitel'nyy tsentr AN SSSR).
396. "Optika" Special Design Bureau for Scientific Instrument Manufacture, Siberian Branch, AN SSSR (Spetsial'noye konstruktorskoye byuro nauchnogo priborostroyeniya "Optika" SOAN).
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657. "Elektronika" Central Scientific Research Institute, Moscow (TsNII "Elektronika").

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KHAZANOV A M
KHIL'CHENKO G V
KHOANG DIN' VAN
(SEE HOANG DINH VAN)
KHODOS M YA
KHODZHAYEV A Z
KHOMICH V YU
KIL'PIO A V
KIREYEVA I R
KIRICHENKO N A
KIRICHUK V S
KIRILLOV A I
KIRILLOV G A
KIRILLOV V L
KIRILOV A YE
KIRKO V I
KIRYURKHIN YU B
KISELEV N G
KISELEV V P
KISELEVA YE S
KISELEVSKIY L I
KISH G (SEE KISS G)
KISHKO V I
KISS G
KITAYEV N P
KITAYEVA V F
KIVACH L N
KLEINERT P

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KLEMENKOVA Z S
KLEYMENOV V I
KLIKORKA J
KLIMASHINA A G
KLIMENKO I S
KLIMENKO V A
KLIMKIN V F
KLIMKIN V M
KLIMOV V D
KLIMOVA N V
KLIMOVSKIY I I
KLURIS YA D
KLYUKVIN A B
KOBLYANSKIY YU V
KOCHETOV I V
KOKHANOV V I
KOLCHANOVA N M
KOLENNIKOV P I
KOLEROV A N
KOLESNIK A I
KOLESNIKOV P M
KOLESOV I V
KOLESOV L L
KOLEZHUK YE S
KOLOBASHKIN V M
KOLOBOV A V
KOLOMIYETS B T
KOLOMNIKOV YU D
KOLTYGIN V M
KOLWAS K
KOMISSAROVA I I
KOMOLOV V L
KOMPANETS I N
KOMPANIYETS YU V
KOMRAKOV B M
KONDILENKO I I
KONDRASHIN S K
KONDRAT'YEV YE L
KONEFAL Z
KONEV YU B
KON'KOV V V
KONOPLEV N A
KONOVALOV I P
KONOVALOV N A
KONOVALOVA S A
KONSTANTINOV B A
KONSTANTINOVA K R
KOPALKO K
KOPYLOV YU L
KORCHAZHKIN S V
KORESHEV S N
KORETSKIY YA P
KORKOSHKO I V
KORNETOV V N
KOROBKIN V V
KOROBKIN YU V
KOROLENKO I N
KOROLEV V I
KOROLEV YU G
KOROTEYEV N I
KOROTKEVICH I I
KOROTKOV P A
KORSHUNOV V A
KORYAGIN G I
KOSACHEV V V
KOSHELYAYEVSKIY N R
KOSICHKIN YU V
KOS'MINA M A
KOSMYNA M B
KOSOROTOV V F

KOSTKO O K	43	KUZNETSOV A M	42	LYAKHOV G A	28
KOSTSOV E G	47	KUZNETSOV B V	21	LYAMSHV L M	33
KOSTYSHIN M T	49,67	KUZNETSOV S P	25	LYASKOVSKIY I I	46
KOSTYUKOVICH S A	67	KUZNETSOV V A	35	LYKOV V A	84,85
KOTELYANSKIY I M	20,41	KUZNETSOV V M	17	LYUBCHENKO V V	2
KOTOV A V	22	KUZNETSOV YE P	48	LYUBIMOV V V	5
KOTOV G A	80	KVARATSKHELIYA T G	49	LYUBIN V M	64,67
KOVALENKO V F	67	KVITIYA Z A	9	LYUBINSKAYA R I	60
KOVALEV A A	1,55				
KOVRIGIN A I	78	L	M		
KOVURA YU A	40				
KOZAKOWSKI G	74	LABUSCH R	66	MAGNITSKIY S A	75
KOZEL S M	48	LADNAR J	23	MAHLER G	66
KOZIN G I	59	LAGUNOV A S	25	MAK A A	1,25
KOZLOV N A	7	LAKHNO N I	41	MAKAROV A A	51
KOZLOVSKIY D A	21	LANSKAYA T G	60	MAKAROV A I	4
KOZLOVSKIY K I	57	LAPPO O I	40,41	MAKAROVA YE G	75
KOZMIDIS-LUBURIC U F	34	LARIKOV A V	5	MAKHVILADZE G M	68
KOZYREV YU P	57,83	LAVRUKOVICH V I	41	MAKOGONENKO A G	6
KRAMPLA J	25	LAZARENKO A G	25	MAKRENKO S N	65
KRASIL'NIKOVA YE V	59	LEBEDEV F V	9	MAKSIMOV A YU	67
KRASNOPEROV L N	57	LEBEDEV YE A	9	MAKSIMOV S A	59
KRASOVITSKAYA K A	73	LEBEDEVA V N	59	MAKSIMOV V V	83,86
KRAUYALIS R YU	27,58	LEBESHEV N P	67	MALAKHOVA V I	4
KRAVCHENKO V A	67	LEBO I G	85	MALAKHOVSKIY V R	58
KRAVCHENKO V B	20,41	LEKOMTSEV V M	60	MALASHENKOV V A	20
KRAYNOV V P	53	LEMANOV V V	67	MALDUTIS E K	58,80,82
KRAYSKIY A V	47	LEONOV S B	77	MALININ A N	15
KREMENCHUGSKIY L S	23	LENER P B	50	MALINOVSKIY V K	47
KRIKUNOV G A	43	LETOKHOV V S	51,64	MALKIN B Z	65
KRINDACH D P	43	LEVCHENKO YE B	44	MALYSHEV B N	39
KRIS J	23	LEVIN V A	10	MALYSHEV V I	76
KRIVOLAPCHUK V V	69	LEVIN V M	87	MALYSHEVA T P	56
KRIVOSHCHENKOV G V	8	LEVINSON I B	70	MALYUTA D D	23
KRIVOSHCHENKOV V A	34	LEVSHIN L V	7	MALYUTIN A A	5
KROEGER W	59	LIBENSON M N	81	MAMATDZHANOV F D	20,24
KROKHIN O N	85	LIKHOLIT N I	74	MAMYSHEV P V	29
KROO N	70	LIMONOV M F	65	MANAKOV N L	60
KRUTOV A P	26	LINDAV J	23	MANENKOV A A	66
KRUTYAKOVA V P	74	LIPOVSKIY A A	32	MAN'KO M A	3
KRYUKOV P G	74	LISICHENKO V I	56	MARGOLIN A D	12
KRYUKOV P V	74	LISITSYN V N	9	MARKOV V S	48
KRZEK J	22	LITVINOV I P	24	MARKOV YU F	65
KUCHEROV I YA	24,40	LITVINOV V I	4	MARTYNOV V P	32
KUCHIRYAN L M	40,77	LJUBICIC LJ	34	MASALOV A V	76
KUDRYASHOV V A	28	LOBANOV A N	17	MASHCHENKO A I	37
KUDRYAVTSEV N N	14	LODGAUZ V A	46	MASHKEVICH V S	19
KUKHAREV A V	32	LOGUNOV O A	7	MASKEVICH A A	58
KUKHTAREV N V	34,49	LORHNYGIN V D	6,75	MASKEVICH S A	58
KUKHTEVICH V I	23,27	LOKHOV YU N	79	MASHINA L N	63
KURLIN V A	10	LOKSHIN B V	75	MASHYUKOV YU S	21
KULAKOV V M	80	LOKSHIN G R	48,49	MATINYAN YE G	49
KULESHOV V P	23	LOMASOV YU N	72	MATLAK J	56
KUMKOV S YE	67	LOMONOSOV V V	70	MATLASHEVSKIY V A	75
KUOKSHTIS E	65	LOMONOVA YE YE	77	MATVEYEV I N	28
KUPKO V S	42	LONDER YA I	17	MATYUSHENKO V I	18
KURASHOV V N	37	LOSKUTOV V S	44	MATYUSHKIN E V	33
KURBATOV P F	8	LOSKUTOVA L I	47	MAYEV R G	87
KURNOSOV A K	12	LOTKOVA E N	11,67	MAZUREK K	3
KUTAYEVA G S	59	LOYKO N A	37	MAZURENKO YU T	75
KUTIK M	56	LUCHIN V I	82	MEDIANU V R	80
KUTS P S	67	LUGOVOY V N	36,37	MEDVEDEV R N	83
KUZIKOVSKIY A V	43	LUKIN A V	2	MELEKHOV A V	86
KUZIN YE F	66	LUKIN I V	42	MELIKISHVILI Z G	5
KUZ'MIN I A	87	LUKIN V P	34	MELKUMOVA YE YU	11
KUZ'MIN M G	55	LUKINYKH V P	34	MELKUMYAN B V	64
KUZ'MIN V A	52	LUK'YANCHUK B S	53	MEL'NICHENKO A I	60
KUZ'MINA N V	22	LUK'YANETS YE A	7	MEL'NIK L P	33
KUZ'MINOV YU S	46	LUK'YANOV V N	13	MEL'NIKOV R V	81
KUZNETSOV A I	53,74	LUTOSHRIN V I	60	MEL'NIKOV L S	19

POLIVANOV YU N	38	ROZANOV N N	22,81	SEMENETS T I	34,49
POLNITSKIY A A	41	ROZANOV V B	85	SEMENOV V P	20
POLOGRUDOV V V	68	ROZANTSEV V A	81	SEMENOV A A	80
POL'SKIY YU YE	10,11	ROZHDESTVENS KAYA N B	44	SEMENOV A T	61
POLUEKTOV I A	28	ROZHDESTVENS KIY V N	22	SEMENOV G B	49
POLUKHIN A T	32	ROZOV B R	60	SEMENOV G I	47
POLUNINA G P	53	RUBERO L M	6	SEMENOV O G	85
POLYANSKIY V K	50	RUBINOV A N	71	SEMENOV P M	31
PONOMARENKO A G	83,86	RUBTSOVA N N	38	SEMENOV V V	83
PONOMAREV YU N	71,76	RUD' N A	72	SENATOROV YU M	79
PONOMAREVA S B	76	RUDENKO E M	68	SEREBRYAKOV V A	30
POPESCU I M	62	RUKOVISHNIKOV A I	61	SEREGIN A M	11
POPOV A I	42	RUMYANTSEV A G	81	SEREGIN S L	29
POPOV A K	34,38	RUSANOV YU A	77	SHABEL' N N	55
POPOV B N	68	RUSOV V M	64	SHAFEYEV G A	13
POPOV O F	60	RYABCHENKOV V V	2	SHAPRAN' OSH I I	70
POPOV YU M	25	RYABENKO G A	66	SHALAGIN A M	17
POPOV YU V	46	RYABININ A N	44	SHALANOV S P	86
POPOVA I G	5	RYABOV YE A	51	SHALAYEV V K	7
POSPISIL J	61	RYAZANOV M I	79	SHALAYEV V M	38
POSTOYANOV YU I	56	RYBAKOV A D	63	SHALAYEV YE A	28
POSUKH V G	83,86	RYBALTOVSKIY A O	40	SHAMPAROV YA L	1,37
POTAPOV O V	32	RYBIN L V	75	SHANDYBINA G D	80
POTEMKIN A K	4	RYL' KOV V V	6	SHARKOV V F	11
POTICHENKO V A	61	RYZHKO V A I	74	SHARONOV G V	55
POZDNYAKOV A YE	21	RYZHKO V M	59	SHATILOV A V	81,82
PRISHIVALKO A P	43	RZHEVSKAYA T G	26	SHATOKHIN YU V	39
PROKHOROV A M	24,29,62	RZHEVSKIY S P	26	SHATSEV A N	83
	63,73,78			SHAVEL' N N	40,41
		S		SHAVKUNOV S V	28
PROKHOROV K A	30			SHAYDUK A M	43
PROKLOV V V	87			SHCHEGLOV V A	18
PROKOPOV A V	42	SACHKOV V I	58	SHCHEGLOV V B	13
PROSIN B V	26	SADOVSKAYA L YA	26	SHCHEROTUROV L V	26
PROSKURYAKOV YE M	59	SADOVSKIY V N	1,55	SHCHERBAKOV YE A	24
PROTSENKO K D	8	SAPRONOV V M	63	SHCHERBO S N	7
PROTSENKO YE D	17,59	SAGALAKOV A M	43	SHCHORS L S	41
PROZOROVSKIY YU S	62,63	SAKALAUSKAS S V	80,82	SHEDOVA YE N	48,86
PRUTSKOV YE G	81	SALAYEV E YU	4	SHELF OV N V	61
PUCHKOV V N	55	SALIRHOV D K	30	SHEMYAKIN V I	26
PULINETS T S	55	SALIVON G I	76	SHENGELIYA N A	9
		SAMODERGINA T A	20	SHEPEKINA G V	3
		SAMOKHIN A A	17,78	SHEPEL' B N	30
		SAMOYLOV V B	23	SHEVCHENKO YE G	3
QUILLFELDT W	76	SAMSON A M	37	SHEVERA V S	15
		SAMSON A V	70	SHEVTSOVA A I	61
		SANNIKOV S P	35	SHEVYREV A S	12
		SAPETSKIY A N	53	SHIDLOVSKIY V R	47
RABADANOV R A	63	SARDYKO V I	29	SHIGORIN D N	72
RADINA T V	27	SARKISOV O M	36	SHIKANOV A YE	57
RADKEVICH I A	42	SARKISOV S E	2	SHIPILOV V I	75
RADOS F	22	SARUKHANOV M A	76	SHIRAN N V	58
RAGOZIN YE N	22	SARZHEVSKIY A M	7,77	SHIROKOVSKAYA O S	85
RAGUL'SKIY V V	31,33	SATTAROV D R	41	SHISHKIN I N	3
RAKHIMOV A T	11,55	SAUTENKOV V A	4,13	SHISHKOV A G	69
RAKHOVSKIY V I	16,73	SAVEL'YEV V A	15	SHISHOV V I	44
RAKHVAL'SKIY M P	3	SAVITSKIY I V	90	SHKLYAR A N	89
RAPOPORT L P	63	SAVRANSKIY V V	13	SHKUNOV V V	33
RARENKO I M	88	SAVUSHKIN A F	27	SHMAL'KO A V	40
RAUTIAN S G	39	SAVVA V A	37	SHMAYENOK I A	84
RAZDOBARIN G T	83	SAVVATIMSKIY A I	68	SHMELEV G M	69
RED'KO V P	39	SAYECHNIROV V A	7	SHMELEV V M	12
REGEDA S N	13	SAYENKO V B	11,55	SHMIT F	34
REKSNIS YU Y	50	SAZHINA N N	9	SHMIT O A	71
RIVLIN L A	61	SAZONOV V N	32,53,53	SHOTOV A P	74
ROGACHEV A A	72	SCHANDA J	87	SHPAK M T	35
ROMANENKO P P	49	SCHLAPP W	36	SHPAK T M	69
ROMANOVA N P	34	SCHROEPFEL J	25	SHTARK M R	39
ROMANOVSKIY YU V	76	SEDOV B M	5	SHTOKMAN M I	39
ROVINSKOV G N	54	SELEZNEVA I K	68	SHTYRKOV YE I	35
ROZANOV A G	20	SELIVANOV P I	22		

SHUAIBOV A K	15	STEPANOV B M	54,58	TKACHENKO N V	46
SHUL'GA A YA	23	STEPANOV YU A	6	TKACHEV V G	55
SHUMSKAYA L I	9	STEPANOV YU YU	14,15	TKHIN' LAI DYK	
SHUMYATSKIY P S	55	STETSENKO A I	1,76	(SEE THINH LAI DUC)	
SHURYGIN V K	26	STOICHITA C M	62	TOKAREVA A N	7
SHUSTRYAKOV V M	16,73	STRATAN A	80	TOLCHINSKAYA T B	17
SHVARTS K K	46	STREL'CHENYA V M	14	TOLSTOPYATOV O I	21
SHVEGZHDA ZH L	68	STRELKOV G M	44	TOPORKOV YU G	43
SHVETS V I	61	STRIZHEVSKIY V L	74	TOPOROV V V	73
SIDORENKO A V	41	STROKACH N S	72	TOROPOV A K	55
SIDORIN A V	79	STROKOVSKIY G A	17	TORPACHEV P A	56,77
SIDOROVICH V G	31	STUCHERRYUKHOV A A	69	TOSIC B S	34
SIDORYUK O YE	80	SUEPTITZ P	69	TOVSTYUK K D	4
SILAYEV V I	60	SUKHODREV N K	22	TRAVNIKOV V V	69
SILIN V P	31,83	SUKHORUKOV A P	32	TRIEBEL W	35
SILUKOVA T N	64	SUKHOV A V	34	TROFIMOV N A	1
SIN'GOVSKIY A V	42	SULTANOV T T	47	TROFIMOVICH K K	51
SINIS V P	53	SUP'YAN V YA	27	TROITSKIY S R	16
SINITSYN G V	83	SURAN V	51,52	TROPKIN YE N	27
SIPOVSKAYA M A	23	SURDUTOVICH G I	66	TRUKHACHEV G V	83
SIPYAGIN V V	80	SUSLOV YU F	9	TRUMBACHEV V F	59
SISAKYAN I N	62	SVAJGER A	23	TRUSHIN S A	10
SIVACHENKO S D	2	SVAKHIN A S	21	TRUSOV K K	7
SIZOV V D	18	SVATKOVSKIY O V	57	TSARENKO B V	22
SKOBELKIN O K	39	SVERCHKOV YE I	32	TSAREVSKIY A V	52
SKORNYAKOV G P	88	SVERDLOV B N	3	TSIPILEV V P	51
SKVORTSOV L A	80	SVET B D	50	TSYBIN A S	57
SKVORTSOV YU V	63	SVIDZINSKIY K K	21	TUDOR T	25
SLABKO V V	34	SVIRIDOVA YE V	11	TULAYKOVA T V	21
SMETANNIKOVA YU S	23	SVIRKO YU P	28	TUL'SKIY S A	18
SMIRNOV A A	32	SVITASHEV K K	60	TUNITSKIY L N	13
SMIRNOV N YA	15	SVITASHEVA S N	60	TUNKIN V G	75
SMIRNOV V A	22	SYCHUGOV V A	21,45	TUPITSYN V A	89
SMIRNOV V L	21,40	SYSOYEV V K	60	TURSUNOV M A	51
SMIRNOV V N	74,80	SYTNIK V S	62	TUVAYEV N YE	28
SMIRNOV YE A	17	SZCZEPANSKI J	74	TUZHNIKOV A I	79
SMIRNOVA T N	35			TYKOTSKIY V V	13
SNOPKO V N	82			TYURIKOV D A	4,13
SNYTIKOV V N	83,86	T		TYUSHKEVICH B N	1,55
SOBOL' A A	77	TABIRYAN N V	34		
SOBOLEV N N	9,11,21,32,70	TAGIYEV Z A	29	U	
SOKOLOV A P	47	TAMRIYEV YU A	4	UDALOV YU B	21
SOKOLOV A V	61	TANASEYCHUK S YU	56	UDAL'TSOV V S	75
SOKOLOWSKA A	74	TARANUKHIN V D	10	UDREA E	10,86
SOKOVIKOV V G	13	TARASOV A A	1,25	UDREA M V	10,50
SOLDATOV A N	20	TARASOV V M	55	UGLOV A A	79,80,82
SOLMYSHKO L N	61	TATARENKOV V M	55	UKHANOV YU I	22
SOLODCHENKOVA S A	16	TATSENKO V G	56	ULANOV S F	79
SOLOVEYCHIK O M	54	TELEGIN G I	32	UL'YANOV K N	17
SOLOV'YEV A A	29	TEL'NIKIN A A	43	UMANSKIY I M	69,77
SOLOV'YEV N A	83	TEPLITSKIY E SH	5	UNGUREANU C	52,53
SOLOV'YEV V S	1	TERENETSKAYA I P	44	URBANEC J	23
SOMS L N	1,25	THINH LAI DUC	27	USHENKO A G	50
SONIN A YU	80	TICHA H	65	UVAROVA N N	24
SOPIN A I	7	TICHY L	65	UYUKIN YE M	68
SOROKA A M	9	TIKHONCHUK V T	31	UZHANTSEV V A	64
SOROKIN A R	9	TIKHONOV A N	56	UZHINOV B M	6
SOROKINA M V	32	TIKHONOV YE A	35		
SOROKO L M	88	TIL'GA A D	58	V	
SOSKIN M S	50	TIMOFEYEV V A	9	VALUYEV K A	4
SOTNICHENKO S A	72	TIMOFEYEV V B	30	VARGA P	24
STADNICHENKO I A	85	TIMOSHENKO M M	6	VASHKEVICH I M	24
STANCIU G A	62	TIMUS C	80	VASILENKO L S	38
STARIK A M	10	TISHCHENKO A A	24	VASIL'YEV K D	80
STAVROVSKIY D R	15	TISHCHENKO A V	45	VASIL'YEV L A	11,13
STEL'MAKH M F	39	TISHCHENKO V V	72	VASIL'YEV M V	31
STENCHIKOV G L	83	TITOV A N	56	VASIL'YEVA M A	76
STEPANOV A A	18	TITOVA T M	39	VAS'KOV V A	13
STEPANOV A I	1,25	TIUNOV YE A	17		
STEPANOV A N	54	TKACH N G	42		

VATOVA L B	1	YANKOVSKIY A A	81	ZIETER B	8
VAVILOV V P	56	YANSON M L	68	ZISU T	60
VAYSPEL'D M P	11,14	YAPUSHKEVICH V A	81	ZOLOTAREV A I	47
VEDENOV A A	79	YARTSEV V I	12	ZOLOT'KO A S	32,70
VELCULESCU V G	10,86	YASHKIR YU N	74	ZOLOTOV YE M	24
VELICHANSKIY V L	4,13	YASHUMOV I V	4	ZON B A	65
VEREMCHUK M S	43	YASINSKIY V M	17,22	ZUBAREV I G	22
VEREMEY V V	22	YASTREBOV A A	55	ZUBOV B V	63
VERKHOGLYAD A G	8	YATSENKO N A	20	ZUBOV V A	47
VERNIK S M	42	YEFIMKOV V P	22	ZUFAROV M A	77
VETCHINKIN S I	69,77	YEGOROV B N	65	ZUYEV A I	84
VETROV V YU	58	YEGOROV V M	47	ZUYEV V S	15,54
VEYKO V P	80	YEGOROV V N	61	ZUYKOVA N V	50
VIDAVSKIY L M	53	YELINSON M I	79	ZVEREV G M	80
VIDREVICH M D	76	YELISEYEV P G	3	ZVEREVSKAYA YE YU	15
VINNIK D M	51	YEMEL'YANOV V I	78	ZYUBRIK A I	51,90
VINOGRADOV I P	15	YEPIFANOV A S	66	ZYUL'KOV V A	70
VINOGRADOVA R I	23	YEREMENKO V V	33		
VLAD V I	50	YEREMINA I V	4		
VLADIMIROV A G	19	YERMACHENKO V M	8,13		
VLADIMIROV N I	04	YEROPEYEV G S	62,63		
VLASOV N G	62	YEROSHENKO V A	26		
VLASOV YE N	79	YESAKOV V N	39		
VLCEK M	65	YESAYAN S KH	67		
VOLAN'SKIY P		YESIPOV S E	70		
(SEE WOLANSKY P)		YEVSTIGNEYEV V V	84		
VOLKONSKIY V B	26	YEZHKOVA A N	1		
VOLKOV I V	49	YUDIN A I	04		
VOLKOV S V	60	YUGOV V I	9		
VOL'NOV I I	77	YURCHENKO N I	13		
VOLOSHINOV V B	20,24	YUZHAKOV V I	7		
VOLOSOV R A	19				
VOL'SHAKOV YE N	62	Z			
VOLYAR A V	40,77				
VOROB'YEVA YE F	39	ZADORINA N V	43		
VORONIN YE N	40	ZAGREBIN S B	70		
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